

Name: \_\_\_\_\_

Date: \_\_\_\_\_

### FOIL and Factor solution (version 116)

FOIL the expressions shown below:

1.  $(x - 6)(x - 5)$

$$x^2 - 11x + 30$$

2.  $(x - 6)(x - 9)$

$$x^2 - 15x + 54$$

3.  $(x + 5)(x - 3)$

$$x^2 + 2x - 15$$

4.  $(x - 5)(x - 2)$

$$x^2 - 7x + 10$$

5.  $(x + 6)(x + 8)$

$$x^2 + 14x + 48$$

**Factor the expressions shown below:**

6.  $x^2 + 7x + 10$

$$(x + 2)(x + 5)$$

7.  $x^2 - x - 2$

$$(x + 1)(x - 2)$$

8.  $x^2 - 12x + 27$

$$(x - 9)(x - 3)$$

9.  $x^2 - 1$

$$(x - 1)(x + 1)$$

10.  $x^2 + 11x + 30$

$$(x + 6)(x + 5)$$